



The Raleigh Amateur Radio Society's **EXCITER**

GET INVOLVED

- RARS General Membership meeting: Second Tuesday of the month.
- The RARS net meets every night except Saturday @ 8 p.m. on 146.640.
- The RARS Technical & Trader's net: Saturdays @ 8:00 PM on 146.64.
- RARS meets for a monthly dinner on the First Tuesday of each month.



PUBLIC SERICE EVENTS

Interested in helping? Visit
<http://www.rars.org/public-service.php>

frequently for our 2018 ham public service schedule.

RARS General Meeting

Topic: RARS Officers election and Show and Tell

Date: November 13, 2018

Time: Meeting at 7:30PM

Informal gathering and refreshments from 7 - 7:30 p.m.

Where: Ridge Road Baptist Church. 2011 Ridge Rd., Raleigh

New HAM meeting, 6:00 p.m. before member meeting

Tadd Torborg, KA2DEW, New Ham Meeting Coordinator

[Click here for more information.](#)

Presidents Comments

By Carl Davis, W8WZ

The Raleigh Amateur Radio Society's Technician Level Amateur Radio Licensing Course is in full swing. We offer these classes twice a year; once in the Spring and once in the Fall. Each course consists of 20 hours of classroom instruction and an additional 3 hours of hands-on learning in the form of a demonstration day. The classroom instruction is taught by Curt, W4CP.

As I write this article, I just returned from our demonstration day, which was a great success. Many sincere thanks to St. Christopher's Episcopal Church in Garner, which allows us to use their building, parking lot and trees (for antenna support) free of charge to demonstrate ham radio to the students in our class.

This Fall's class had 18 students register. We only register up to 20

[Continued on page 4](#)

RARS Officers

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VICE PRESIDENT

Tom Lewis
N4TL
N4TL2@yahoo.com

SECRETARY

Tara Goodwin
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The Raleigh Amateur Radio Society

The Raleigh Amateur Radio Society, Inc. (RARS) was founded in 1969 and continues to serve and support the amateur radio community in the greater Triangle area. In 1999, the society incorporated a new RARS and obtained 501(c)(3) non-profit tax status.

The objectives of the club are to promote worldwide friendship through amateur radio; to be of public service by providing radio communications in times of disaster, emergency, or civic needs; to educate members in radio technique, and to provide training classes to assist in obtaining amateur radio licenses.

Anyone interested in amateur radio is eligible to apply for membership. Dues for regular licensed amateurs are \$18 per year (from July 1 through June 30). Additional immediate family members pay \$5 each per year. Dues for licensed amateurs older than 59 or younger than 16 are \$12 per year. Dues for non-licensed associate members are \$9 per year. Applications for membership may be obtained from the treasurer or on the RARS website (www.rars.org).

Exciter

The Exciter is the official newsletter of the Raleigh Amateur Radio Society. It appears each month as a PDF on the RARS website at www.rars.org. Members receive email notification when the latest version is available. Please provide your email address to the Treasurer.

The Exciter welcomes articles, advertisements, and other contributions. To submit a piece to the newsletter, please contact the Editor. The Editor reserves the right to edit any and all pieces. The submission deadline for each month's Exciter is the third Friday of the preceding month. All submissions must be final. Drafts are not accepted.

The views expressed in the Exciter are those of the individual authors and do not necessarily reflect the views of the Editor or RARS.

Tom Lewis, N4TL, editor (editor@rars.org)

For Your Information

RARS General Meeting

Date: Second Tuesday of each month

Location: Ridge Road Baptist Church 2011
Ridge Road Raleigh, NC, 27607

Time: People begin arriving at 7 p.m. The
meeting officially begins at 7:30 p.m.

RARS Monthly Dinner

All members and guests are welcome to the monthly (first Tuesday) RARS Supper, 6:30PM, at the Golden Corral Restaurant, 6129 Glenwood Ave., Raleigh. Informal and Dutch, just bring your appetite and best rag to chew. 73, Chuck, K4HF

RARS Repeaters in Raleigh

146.640 and 444.525

Join us for the nightly RARS net at 8 p.m. on the 146.640 repeater. All hams holding a Technician class license or higher are invited to check in. We welcome both RARS and non-RARS members to the net.

There is a net Listing on the RARS website click here. <http://www.rars.org/nets.php>

VE Testing

The RARS VEs will accept walk-in testing in February, May, August and November at 5:30PM, prior to RARS membership meetings at Ridge Road Baptist Church; the RARSfest in April; the Cary Swapfest in July; the JARSFest in November; and following RARS license classes. Please bring a photo ID, your original and a copy of your current license, your \$14 exam fee, and any valid CSCEs that prove passing elements beyond that of your current license. Visit www.rars.org for more information.

October 2018

RARS Net Monthly Summary

Checkins: 515

Traffic Brought/Passed: 11/11

Minutes: 1108

Sessions: 31

Special 10 Meter Net

Checkins: 15

Minutes: 60

Sessions: 1

Virginia Enzor NC4VA

RARS Net Manager

November Meeting

RARS Show and Tell

Bring something of interest in Ham Radio that you would like to show off. Be prepared to talk about it. The time will be limited so everyone can have time to show their item or items.



President's Message continued

students so that was near capacity! This is not unusual. We normally max out our enrollment about a week before the classes begin. We reach our maximum number with minimal advertisement. We use the RARS webpage, the ARRL webpage, announcements on our 2 meter nets, the Exciter and the RARS e-mail list. Getting such a strong response every time we offer the class shows that there is great interest in the hobby of ham radio.



Tom, N4TL showing things to some of the students at the HF station we set up for the demonstration

In our class-end surveys most students say they learn of our class from the ARRL webpage and that they find the ARRL webpage while searching the internet for amateur radio.

Of the 18 students who registered, 12 have come to the classes. This is not unusual either. Usually 2/3 of our enrolled students come to the classes so this year's numbers hold with that percentage exactly. It seems about 1/3 people who sign up to take the classes then have last minute schedule issues that make it difficult for them to participate, or they have some other issue come up in life and choose not to participate after all. Some of them may attend our classes when we offer them again in the Spring and their schedule allows it.

The students who came to our demonstration activity fully participated in putting up a dipole antenna between two trees, learned about some of the differences between ladder line and coaxial cable feedlines, and saw how an antenna tuner works. We took apart one antenna tuner to visibly see L and C components and discussed how L and C relate to Resonant Frequency in a tuned circuit.

They also learned practical ways of getting rope and wire into trees as well as the various safety precautions that one needs to take while doing antenna work. After that N4TL got them on the air on 40

President's Message continued

where,

$$F_r = \frac{1}{2\pi\sqrt{LC}}$$

F_r = Resonant Frequency (Hz)
 L = Inductance in Henrys
 C = Capacitance in farads
 $\pi = 3.1416$

meter SSB where they talked to a Boy Scout troop in Georgia. They talked with the boys about their various hobbies including fishing and other hobbies that the scouts and our adult students shared.

Then we focused our work on 2 meter FM. We showed how a simple $\frac{1}{4}$ wave mag mount antenna can work to access our area repeaters and discussed why some people may choose to use a power supply and others may choose to use batteries to power their radio stations. We also discussed various types of VHF antennas and feedlines. Then we got on the air and had great conversations with several hams on the RARS 146.64 repeater.

Some of the hams we talked with were mobile, others were in their homes. Some had outdoor antennas and some had indoor antennas. Some were rather far away from us and one was just 2 miles down the road. We talked to folks who had been licensed for many years and one ham who had himself been in our Technician Class only 1 year ago! The students got to see how operation on 2 meter FM works and asked great questions both about the technical aspects of what they saw as well as questions about good operating practices.

N4TL also showed the students how various digital modes worked as he had his computer connected to the HF radio. He also showed them how they can use the computer to learn Morse Code and several students were interested in that as well.

By then our three hours had run out and it was time to pack up and go home. I am always amazed at how much easier it is to lower an antenna than raise one. I wish to thank RARS Vice President Tom, N4TL for his outstanding help and leadership with our demonstration as well as RARS Secretary Tara, W4TSW who stopped by to greet the students and also thank everyone who took the time to talk with us on the air!

The students will be taking their exams on Saturday, 10 November. So keep an ear open for new call signs on the repeater after that date and be sure to welcome them when you hear them. Also, when these folks become hams they will be given a free membership in RARS so be sure to greet them warmly when you see them at RARS functions such as our monthly meeting, new ham meeting or monthly dinner. They are a great group of students and will make outstanding hams and RARS members!

73 Carl, W8WZ

RARS Technician Class Demonstration

Carl, W8WZ, told about the RARS Technician class in the President's message on pages one to five above. During the HF demonstration, I answered a CQ on 7.190 MHz. It was a JOTA station and the operator Al, W4VFZ, was demonstrating Ham Radio to a number of Boy Scouts. It worked out great. We had students on our end talking to Boy Scouts on the other end. Al sent me the following letter and picture.

Tom,

Oct 20 at 7:33 PM

May I express my sincere appreciation for your assistance with the Scout's JOTA event today! :-) Initially, the stack-up, combined with QRN at our Hiawassee, GA location, made it look like it was going to be a "bust"!

But you came through with a 59+20 signal, and we got excellent copy on you, once some of the local QRN cleared. The Scouts and their Leader, Stacy Calhoun, really enjoyed the QSO, and I think that jointly we've installed a spark in some of them to become future hams. I've attached a picture of the group, all the "junk" in the background is stuff left over from a Red Cross Yard Sale. They've "temporarily" stored it in our class room!

I'm a retired Aerospace EE (Rockwell/Boeing Guided Missile Div.), got my ticket in 1952. My bio is also on www.qrz.com. And I see from your bio that you've made quite a few accomplishments in the hobby.

I have some three Harmmarlund vacuum tube receivers, and recently acquired a Johnson Viking I, in pristine shape. The Johnson was my first "full sized" transmitter, I bought it as a kit, shortly after it was on the market.

I was the ARES EC for Towns County for 14+ years, finally retired from that task, earlier this year.

SO MUCH to do out there, but I must admit, my 82 years are taking their toll, much of my "Get up and GO, got up and WENT!" _-)

73

Alton (Al) Higgins

W4VFZ

FEMA/GEMA ESF2
for Towns Co. GA

ARRL VE



Scouts and their Leader, Stacy Calhoun

New HAM meeting, 6:00 p.m. before the member meeting

Tadd Torborg, KA2DEW, New Ham meeting Coordinator

The New Hams meeting is held every month before the regular RARS meeting. We'll try to start by 6pm. We try to address topics in a manner that will be of help to hams in their first year of operation.



At the October 2018 New Ham meeting, Billy KE4VNC and Fin NC4FG demonstrated using slingshots to start an antenna installation over a tree.

**The Carolina Hurricanes hockey team in the NHL has not forgotten
Amateur Radio in its new acquisitions!**

No. 73 is Valentin Zykov, left wing. Age 23. He is from St Petersburg, Russia. In 2017 he was the leading scorer in the American Hockey League playing with the Charlotte Checkers. (73 in hockey is, "I got the puck, see you later.")

No. 88 is Martin Necas, center. Age 18, last year he played for the Brno Kometa in the Chech Extraliga. He was one of the top players in the under age 20 category. (88 in hockey is, "I'll check you on the boards, but I will leave with a smile - love ya.")

From their former QTH's, they might qualify for a DX award.

Go Canes!

73 Murray K4MHM

RARS September Membership Meeting

Bob Brown N4GEB Earns “Sixty-Four on Six-Four Award”

Virginia Enzor NC4VA

RARS Net Manager



Congratulations to Bob Brown N4GEB for earning the RARS “Sixty-Four on Six-Four Award” and receiving his certificate at the RARS meeting on October 9, 2018! To earn this award, Bob had to make 64 different station contacts on the 146.64 repeater. Bob is the 4th ham this year to earn this coveted award!

When asked if he had any suggestions or encouragement for those hams thinking of pursuing this award, Bob recommended getting on air throughout the day; he has observed that there is often someone willing to talk. He noted that the Triangle has quite a few hams active on the RARS repeater.

I hope others will want to earn this fun award! It looks great displayed in the ham shack. For details, please visit www.rars.org.

RARS September Membership Meeting



Carl, W8WZ, explaining how the Club's auction will be run



Members waiting for the auction to start



Items to be auctioned

RARS September Membership Meeting continued



More Items to be auctioned



RARS Birthdays

Joe	WA4GIR	11/02
Mark	KM4PFO	11/06
Clayton	KE4DOX	11/07
Carroll	KD4JH	11/07
Jeff	AC4ZO	11/08
Lynn	W9CLF	11/09
Rich	NC4EN	11/11
Steve	KN4GYT	11/11
John	K4TOO	11/11
Mike	KN4LHB	11/12
Steven	KE4QBH	11/12
Glenn	NC4NC	11/16
Ron	KD4LOE	11/18
Rolf	K8SL	11/19
Nikolay	KM4UAG	11/20
Donna	KM4WRP	11/20
Mark	WD4KSE	11/21
Donald	KJ4DNI	11/21
Scott	KI4OCF	11/24
Laura	KG4WQT	11/24
Bill	KG4CXY	11/24
Lannie	KK4QEF	11/25
Terri	N4ZUD	11/25
Doug	N3LTV	11/26

New RARS Members

Ron Morin	KD4LOE
Anna Morin	KE4BTH
Eric Morin	KK4FYZ
Paul Armstrong	KJ4DNC

Future Hamfests

A full list of Hamfests can be found at the [ARRL website](#).

11/18/2018 | [JARSFest](#)

Location: Benson, NC

Type: ARRL Hamfest

Sponsor: Johnston Amateur Radio Society

Website: <http://www.jars.net>

01/05/2019 | [Winston-Salem FirstFest](#)

Location: Winston-Salem, NC

Type: ARRL Hamfest

Sponsor: Forsyth Amateur Radio Club

Website: <http://w4nc.com>

04/20/2019 | [North Carolina State Convention \(Raleigh Hamfest\)](#)

Location: Raleigh, NC

Type: ARRL Convention

Sponsor: RARS

Website: <http://rarsfest.org>

Introduction to Antennas class for Technicians

Charlie Davis, WA3UTC, and I are planning to conduct a free Intro to Antennas class for Technician licensees. The class is restricted to a maximum of fifteen Technician licensees 16 years old or older. Due to physical space limitations no license classes other than Technician or observers can be accommodated. Preregistration is required (no walk-ins) using the link directly below.

<http://ars.nc4fb.org/Tech-Intro-Antenna-Class/registration.php>

The class will be conducted in the Cary Area EMS training room located at 107 Medcon Court, Cary, NC 27511 from 0900-1500 on Saturday December 8, 2018. The objective of the class is to provide Technician licensees with the knowledge and "hands on" skills to better understand and utilize amateur radio antennas.

CLASS SYLLABUS

- Part 1 Brief History of Antennas
- Part 2 How Antennas Radiate
- Part 3 Key Antenna Characteristics
- Part 4 Antenna Impedance Matching Techniques
- Part 5 Purpose and Use of Antenna Analyzers
- Part 6 Purpose & Examples of Antenna Modeling
- Part 7 How to profile Antennas
- Part 8 Discussion of Various Types of Antennas

We would appreciate it if you would announce the class to RARS club members.

73, Fred Benson, NC4FB

<https://nc4fb.org>

Computer Com Port Sharing on Windows

In windows only one program at a time can be connected to a COM port. This restriction can be a nuisance when you want to run a Logging program and digital mode software at the same time. Eterlogic has a software solution to this problem. They have a free “Virtual Serial Ports Emulator”, (<http://www.eterlogic.com/Products.html>). The software has many options. I use the “Splitter Device”. I have COM5 going to COM2. My radio is on COM5 and my software is on COM2. COM2 was not used on my computer. To setup a splitter, first download and install the software. Then click on Device and Create. In Device type put splitter in the drop down box. Now click on Next and put in the ports you are going to use. In that window, I have three of the four boxes checked, 1. Redirect modem registers 2. RTS 3. DTR. I don’t know if they matter very much. Don’t forget to change the configuration of your software to use the Virtual serial port. After it’s all working, go to File and use “save as” to save your configuration. When I start the program after turning my computer on, it always asks if I want to order a 64 bit license, I click no, then it tells me to get one, I click okay. Then I load my configuration from my saved file and the program runs. There is more information in the help files that are installed when the software is installed.

73 Tom N4TL

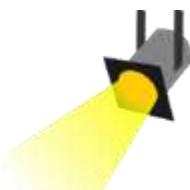
Future RARS Meeting Topics

Titles, topics, and speakers subject to change.

11/13/2018	RARS Officers election and Show and Tell. Bring something of interest in Ham Radio that you would like to show off. Be prepared to talk about it. The time will be limited so everyone can have time to show their item.	Election committee & members
12/11/2018	RARS pot luck Holiday party. Sign up at the RARS website. RARS Officers induction.	Election committee
1/8/2019	The world of high power Medium wave and Shortwave broadcasting	Lauren Libby, W0LD

Spotlight on RARS Net Friends

Virginia Enzor NC4VA, RARS Net Manager



This month's column features a ham who brings an interest in electronics to the table. He's on the net almost every night; you will enjoy hearing about his latest projects!

The RARS net meets at 8:00 PM on the 146.64 repeater nightly! Please check in; we would love to hear how your day is going.

Spotlight on Mark Kilmer KM4JRH

1. Name, Callsign & License class

Mark Kilmer KM4JRH, Extra Class License



2. Year originally licensed

I got my Tech and General in 2015 at RARSfest. I then got my Extra in 2018 at a RARS meeting. Go RARS!

Continued from the previous page

3. How did you get into ham radio?

I ran into my neighbors, KT4JR and NC4LR, Julie and Larry Royster. Somehow my background in electronics came up and they convinced me that I should get my HAM ticket. They loaned me a radio and a tech class book and I was on my way to a fantastic new hobby.

4. What aspects of the hobby currently interest you?

I enjoy designing and building projects and repairing equipment. I also enjoy making contacts during the special events, particularly because of the really cool QSL cards. My newest interest is learning Morse code and setting up for some of the digital modes.



5. Positions that you hold or have held in RARS or other organizations

6. Any special awards? (DXCC, WAS, WAC, IOTA, etc.)

Continued from the previous page

7. Any special project you are currently working on?

There are several. The largest at the moment is the redesign and conversion of a PDL II cubicle quad, 11 meter beam to 10 meters, and may take a shot at adding 6 meters to it as well.



8. Interests outside of radio?

Wreck diving and metal detecting at the coast as time permits. I also enjoy shooting sports.

9. Words of advice for new hams?

Check into the nets and don't be nervous about getting into the rag chew. Get involved with a club and meet other HAMs. They are a great bunch of people, always willing to help the new folks out. Most of all, have fun, that's what it is all about.

ARRL Outgoing QSL Bureau for RARS Members

ARRL affiliated clubs can send their members' cards together in one package.

I have agreed to do this and will collect cards four times a year starting in January 2019. The four times will be January, April, July and October.

To use this service you have to be a member of RARS and the ARRL.

RARS will pay the \$7.00 service charge. Members still have to pay the \$1.15 per ounce charge. The cards must only be from the member. You cannot slip someone else's cards in with yours. The cards must be sorted per the ARRL's instructions. Make sure the country that the card is going to is on the ARRL's list of supported countries. You must fill out the ARRL's submission form. On that form your ARRL member number is required information. In January give me the sorted cards, a check to cover the \$1.15 per ounce charge and the [submission form](#). Make the check out to the ARRL outgoing Buro. Also make sure you read all the information on this webpage, <http://www.arrl.org/outgoing-qsl-service>.

If the card is going to a QSL manager in another country, write "VIA" and the QSL manager's call sign on the card. Look up each contact on QRZ.com to make sure they will QSL via the Buro. Many stations don't. Some only QSL electronically or direct.

This is from KH6AP's information on QRZ.com. Notice, he does not use the QSL Bureau.

QSL INFORMATION:

LoTW, QRZ, eQSL and HRDLOG.

NO QSL BUREAU EVER.

NO PAPER CARDS AT THIS TIME.

73 Tom N4TL

November 2018 CQ Magazine

There are three articles in this months magazine that are of local interest.

1. The results of the 2018 CQWW WPX CW Contest start on page 16. Ted Rappaport, N9NB, was operating the NN3U/4 station and came in first in the U.S. Single Operator Low Power category. Ted comes to the local PVRCNC meeting when he is in town. He attended the November 1st 2018 meeting. He wrote an article about an antenna he designed and that article will be in QST sometime in 2019. He told me he will give a presentation to RARS about it. We have not finalized the date yet.
2. The 19th Amateur Radio Direction Finding (ARDF) World Championship was held in South Korea this year. There is a picture of the ARDF Team USA on page 58. In the picture are two local Hams. They are Ruth Bromer, WB4QZG, and Joseph Huberman, K5JGH. They will be giving a presentation to RARS on May 14, 2019 about the compleutive sport of ARDF.
3. On page 78 is the “Digital Connection” by Don Rotolo, N2IRZ. The title is “Why TARPN, Why Bother with Packet Networking? “ On page 79 there is a map showing the network that covers Durham and Raleigh. Tadd Torborg, KA2DEW started the TARPN. He was helped by many others in the area to get working.



PSKreporter screen capture

This image was captured at 12:49 AM November 2nd. It is showing signals received and sent by anyone from grid square FM05 on 40 meters. PSKreporter can be viewed at this URL <https://pskreporter.info/pskmap.html> Notice that the map also shows the dark and light areas of the world.

Minutes

Raleigh Amateur Radio Society

Board Members Meeting

In Attendance

Date | time 09/18/18 @ 7:00 pm | *Meeting called to order by* Carl Davis W8WZ

8 Members

Carl Davis W8WZ
Tara Goodwin W4TSW
Alan Pitegoff AB4OZ
Greg Seamster KE4PAX
Tom Lewis N4TL
Chuck Littlewood K4HF
Richard Kroeger N1FUA
Murray Merner K4MHM

4 Visitor

Mark Kilmer KM4JRH
Robert Walker K4WWR
Bill Morine N2COP
Ken Latchum KE4BRW

Approval of Minutes

Quorum present: August Board Meeting Minutes Approved

President Report-Carl W8WZ

Present; no report to give

Vice President Report/Exciter Report-Tom N4TL

Minutes continued from the previous page

Tom reports that the next member meeting will be the RARS auction, and that Carl (W8WZ) will be the auctioneer, and November's meeting will be Show & Tell.

Sept 29th is the cut off for the October Exciter and he already has submittals ready for the newsletter.

Treasurer's Report-Greg KE4PAX

Greg reports that we currently have 353 members and, we still have 94 members that have not renewed from last year. Payments have recently been made for the RTP hard line, and to Wake Tech for classroom use. A tax return for 2017/2018 has been mailed. He also gave a brief report on the finances.

For more detailed information regarding Greg's Treasurers report please contact KE4PAX

Secretary's Report/RARSfest Chair-Tara W4TSW

No Secretary report but Tara states that RARSfest meetings will be starting Tuesday October 23rd and the Triangle Reading Room has been booked and confirmed for these meetings. There have been new RARS members wanting to join the committee and some leadership roles could be coming available.

At this time, there has been no contract from the fairgrounds but Chuck (K4HF) and Tara will be reaching out after the fair has ended.

Chuck also took a moment to ask Bill (N2COP) if a decision of which Hamfest will hold the Roanoke Division title in 2019 and he stated a decision has been made and it would not be RARSfest this year but we have a good shot for State Convention title and to look at 2020 for the Roanoke Division title.

Directors Reports

Education Director-Carl W8WZ: Carl reports that the fall Technician classes are starting on Saturday Oct 13th and, a week after the initial announcement was made, the class already had 11 out of the 20 seats filled. The classes will be remaining at Wake Tech, though they have raised the rental fee to 200.00, because we have raised our class fee to 20.00 to help offset the cost.

The hands on Demo Day, held at St Christopher's in Garner, will be on Oct 20th and Carl requests that members monitor the .64 repeater from 9am-noon to speak with students making on the air contacts.

ARRL Liaison-Chuck K4HF: Chuck was present but he gave the floor to Bill Morine (N2COP), ARRL

Minutes continued from the previous page

Roanoke Division Vice President. Bill thanked the Board for allowing him to attend and gave a shout out to Tom for putting together a fun and informative newsletter. Bill then reported that, as mentioned in the current QST, there is a new CEO for the ARRL and he believes that this new CEO will be a good fit and a positive change for the organization.

He reports that for the deadline for members to comment on the ARES strategic plan changes, that are being considered for restructuring, is October 31st. Comments should be submitted directly to either or both ARRL North Carolina Section Manager Karl Bowman, W4CHX, or Section Emergency Coordinator Tom Brown, N4TAB.

Bill addressed from his perspective issues surrounding ARRL's Code of Conduct and transparency. He reminded members that in addition to being the national association for Amateur Radio, ARRL is also a non-profit incorporated in the state of Connecticut. ARRL's corporate counsel on business matters – which is different from its communications counsel – advised ARRL beginning in 2015 it needed to adopt a code of conduct to be compliant with Connecticut state law. The first one adopted in January, 2017 was based on those used in academia where board members are appointed. Following several key votes in 2017, it became apparent another version needed to be adopted which permit Directors to discuss their votes with members. At the January, 2018 board meeting, the restriction on vote discussion was lifted. An ad hoc committee was created to revise the bylaws to be more transparent. Proposed changes are to be presented at the January, 2019 board meeting.

Bill also discussed the recently enacted Volunteer Monitor (VM) program, which is replacing the 1982 Official Observer/Amateur Auxiliary programs. Among the changes: VMs will send documentation directly to ARRL and to the FCC, rather than issue notices to offenders. Accumulated evidence will be files upon which FCC officials can begin to document firsthand to prosecute repeat or malicious offenders. Rather than be appointed by Section Managers and managed by a coordinator in each section, VMs will be appointed by ARRL headquarters directly. They will need to take periodic training and certification to retain their appointment. VMs will be selected on past experience, geographical diversity, and willingness to monitor large spectrum of frequencies rather than concentrating on HF.

Net Manager-Virginia NC4VA: Virginia was not present but Alan (AB4OZ) had a question about where the reports go and what are they used for. Carl (W8WZ) stated that he had spoken to a source at the Shelby Hamfest that stated they collected and Send NTS Traffic reports to ARRL HQS but are unsure what they used for, unless it was to have on hand if needed for reporting or verification.

Bill (N2COP) states that he is not aware of what the reports are being generated for but he would be happy to discover more information and report back to our club.

Food Service Chair-Richard N1FUA: Richard reports that the food service is going well and he has been receiving positive feedback on the snacks being served at the meetings.

NC QSO Party Chair-Marty W4MY: Marty was not Present, but Tara (W4TSW) reported that their first

Minutes continued from the previous page

meeting would be held Saturday Oct 13th so planning was about to begin and the board should be receiving reports soon on the progress.

FM Repeater Chair-Karl W4CHX: Not Present, but Alan (AB4OZ) reports that a bill was received for the coaxial linked to the RTP repeater and it was paid by Treasurer Greg (KE4PEX). The club is still waiting on more action to be performed on the RTP repeater.

Alan also reports that there was concern about the clock being 2 minutes fast on the .64 repeater and, with some research to fellow RARS members, he was able to perform a clock update and the repeater clock is now correct.

Youth Director-Murray K4MHM: Murray reported that there was some online conversation between himself, Tara (W4TSW), Carl (W8WZ), and Chuck (K4HF) regarding a repeater at the Boy Scouts Camporee to assist the with getting on the air and promoting ham radio. The contact from the scouts states he was originally speaking with one of our RARS members, who had stopped responding, and was hoping there was someone who could pick up the project.

It was decided that the request for a portable repeater for Boy Scout Activities could not be traced. Any further conversations regarding RARS and Boy Scout activities should go through Murray for resolution.

Director-at-large-Alan Pitegoff AB4OZ: Present; no report to give

Immediate Past President-Dennis NC4DK: Not present, no report given

Public Information Officer-Charles KM4AMT: Not present, no report given

ARRL NC Section Manager-Karl W4CHX: Not present, no report given

W4DW/W4RNC TRUSTEE-Jeff, AC4ZO: Not present, no report given

Director-at-large-Marty W4MY: Not present, no report given

Public Service Director-John K3RHJ: Not present, no report given

Director-at-large-Joanne AA3N: Not Present, no report given

Field Day Chair-Bob W4TTX: Not Present, no report given

Webmaster-Hank K4HM: Not Present, no report given

Old Business

QSL Cards: Tom (N4TL) is curious about sending out QSL cards as a club and he is interested in getting the program back running. He states he will get with Chuck (K4HF) about how to make this happen.

Chuck (K4HF) states that this is a service the club has offered in the past and he is looking into what we would need to do to get it moving forward again and would follow up with Tom.

Minutes continued from the previous page

Tom & Chuck have done research on this program and will be reinstating it as a RARS service after the first of the year. More information will be coming in future Exciter editions.

New Business

Mark (KM4JRH) mentioned that he was on the website looking for some Elmer assistance and did not believe that the Elmer page had been updated in quite awhile, pointing out that Tadd (KA2DEW), lead on our Elmer program, was not on there. It was mentioned that getting a list of people who would be willing to Elmer in their chosen area of the hobby and having their information available would be a great asset to the membership.

Additional Business/Comments/Announcements

None.

Next Meeting

10/18/2018, 2011 Ridge Road at 7:00pm

Meeting was adjourned at 8:36pm

Meeting Minutes taken and Submitted by Tara Goodwin W4TSW

Yasme Foundation

The Yasme Foundation announced on October 25, 2018 that K6TU's

VOACAP-based propagation and DX Strategy website is one of the latest

recipients of the Yasme Excellence Award. <https://www.k6tu.net>

Read about the Yasme Foundation at this location <http://www.yasme.org>

Yasme's history includes a number of famous calls, none quite so legendary as those of

Danny Weil, VP2VB; Lloyd Colvin, W6KG; and Iris Colvin, W6QL

Minutes

Raleigh Amateur Radio Society

Members Meeting

Date | time 10/09/18 @ 7:30pm | *Meeting called to order by* Carl Da

In Attendance

The monthly membership meeting of the Raleigh Amateur Radio Society met at the Ridge Road Baptist Church in Raleigh. The meeting was called to order by President Carl, W8WZ, at 7:30 pm.

The pledge of Allegiance was recited

There were 46 Members and 4 Visitors

The visitors were Amy Kibble (KC2PDJ) Ron Morin (KD4LOE), Kevin Swiger (WN4KLS), and Brandon Wells.

Approval of Minutes

Secretary determined a quorum was present, a motion to accept the minutes of the September 11, 2018 meeting, as published in the Exciter, was made, seconded, and approved.

Continuing Announcements

The RARS dinner takes place monthly on the first Tuesday (next: November 6th) at 6:30p.m. at the Golden Corral; 6129 Glenwood Ave, Raleigh.

The next board meeting, which is open to all our members, will be Tuesday October 16th at 7pm in the Ridge Road Church conference room. Afterwards, many members retire to a nearby restaurant for a quick bite.

Minutes continued from the previous page

Tonight's after-meeting gathering, for any who are interested, will be at the Rudinos at 3101 Edwards Mill Rd, Raleigh.

A new ham/Elmer's meeting with new hams, and anyone interested, takes place before each membership meeting at 6pm at the Ridge Road church and presented by Tadd (KA2DEW) Tonight's meeting was how to hang antennas, thanks to two members bringing shooters, and Tadd reminded the club that anyone is welcome to attend these meetings to learn something new, or help the new hams that are attending during the hands on demos.

Door Prizes

No Door Prizes were awarded this month.

Vice President Report/Exciter Chair-Tom N4TL

Tom reported that the presentation for November will be Show and Tell and then the potluck for December. No report for The Exciter

Treasurer's Report-Greg KE4PAX

Greg reported that we currently had 363 members and that anyone who wanted to renew their membership could do so with him at the welcome table during and after tonight's meeting. He also let the club know that he had a little bit of change available for the auction and gave a brief financial report.

For those interested in official treasurer report can contact Greg (KE4PAX)

Secretary's Report-Tara W4TSW

Present but No Report

Board and Committee Reports

Education Director-Carl W8WZ: Carl reported that there is a fall technician class starting on October 13th still had two spots open and also, due to an unforeseen circumstance, the class had a

Minutes continued from the previous page

venue change and would now be held at the American Institute of Health and Fitness located at 8300 Health Park Raleigh.

Net Manager - Virginia NC4VA: Virginia informed the club that anyone concerned with the upcoming Hurricane Michael could check into the SkyWarn net that evening, at 9:15, on the 146.880 repeater to listen to the guest speaker from the weather service.

She also presented an 64 on the .64 award to Bob Brown (N4GEB) . Bob gave the membership the tips to get on the air all times during the day and during bad weather periods.

Congratulations Bob!!!!!!

Board and Committee with No Report

Public Service - John K3RHJ

FM Repeater Chair - Karl W4CHX

Food Service - Richard (N1FUA)

ARRL Liaison - Chuck K4HF

Youth Director - Murray K4MHM

Past President - Dennis NC4DK

ARRL Section Manager - Karl W4CHX

Webmaster - Hank K4HM

W4DW/W4RNC Trustee - Jeff AC4ZO

Director at Large - Alan AB4OZ

Director at Large - Joanne AA3N

Director at Large - Marty W4MY

Field Day Chair - Bob W4TTX:

Public Information Officer - Charles KM4AMT

NCQSO Party Chair - Marty W4MY

RARSfest Chair-Tara W4TSW

Old Business

No Old Business

Minutes continued from the previous page

New Business

Chuck (K4HF) had a report on the nominations for next year's board positions. He prefaced the report by letting the membership know that the President and Secretary were mid-term so the Vice President and the Treasurer were the officers up for election, along with all the other one year term positions. Chuck then read the list of all positions and members on the Nominating Committee Report. At the November meeting we will take any nominations from the floor and then vote.

Please see additional page, at end of report, regarding 2019 Nominations

Additional Business/Comments/Announcements

Chuck (K4HF) announced that the club had received a letter from one of the ARRL Roanoke Division Challengers for the upcoming Director and Vice Director for the Roanoke division. He brought the letter and placed it on the table for the members to read and consider.

Alan (AB4OZ) announced that it was once again time for his 10m quarterly net (28.364). It will take place after the Traders net on Saturday Oct 13th and is a great way to test new equipment. He is located at Crabtree Valley Mall area and will start out by beaming west. Afterwards there will be a reporting time, on 2m, to discuss any issues and give signal reports.

Tonight's presentation: RARS Auction with Carl Davis, W8WZ the Auctioneer.

Next Meeting

11/13/2018, 2011 Ridge Road at 7pm

Meeting was adjourned at 9:48 pm

Meeting Minutes taken and Submitted by Tara Goodwin W4TSW

Minutes continued from the previous page

2019 Nominating Committee Report/Recommendations:

RARS Officers for a Two Term:

Vice President:	Tom Lewis, N4TL
Treasurer:	Greg Seamster, KE4PAX

Board Members for 1 year term:

Public Service Director:	John Stone, K3RHJ
Public Information Officer:	Tara Goodwin, W4TSW
RARS Exciter Editor:	Tom Lewis, N4TL
RARSfest 2019 Chairperson:	Tara Goodwin, W4TSW
RARS Net Manager:	Virginia Enzor, NC4VA
At-Large Director:	Alan Pitegoff, AB4OZ
At-Large Director:	Joanne Mars, AA3N
At-Large Director:	Robert Walker, K4WWR
FM Repeater Chair:	Chuck DeCourt, W3WZN
W4DW, W4RNC, N4RAL Trustee:	Jeff Wittich, AC4ZO
ARRL Liaison:	Chuck Littlewood, K4HF
RARS Education Director:	Carl Davis, W8WZ
Youth Director:	Murray Merner, K4MHM
RARS Web Master:	Hank Montgomery, K4HM

RARS Chairmen:

RARS Food Service Chair:	Richard Kroeger, N1FUA
RARS NC QSO Party Chair:	Marty Young, W4MY
RARS 2019 Field Day Chair:	Bob Starkenburg, W4TTX
RARS Volunteer Exam Coordinators -	Liz and Joe White, KO4CK & WA4GIR resp.

RARS Classifieds

Copied from www.rars.org/classifieds.php

The items below were listed within the last 30 days on the RARS website.

E F Johnson Ranger I Transmitter

Posted November 2nd, 2018 by: K4HF

Contact: k4hf@arrl.net

Radio has had TLC. T/R Relay, mike and Documentation included. Transmitter is working and in above average condition. \$275 Contact me by e mail, preferred, or (919) 872-6555 Thanks, Chuck

Misc Working Ham Radio Items

Posted October 31st, 2018 by: K4HF

Contact: k4hf@arrl.net

Heath RF Signal Generator Model IG-102 - \$35

Heath Sign/Square Wave Audio Generator - \$20

ICOM IC SP-21 Speaker - \$85

MFJ Model 464 CW Keyer/Reader - \$135

MFJ model 989C 1.5KW Versa Tuner V HF Antenna Tuner - \$175

Radio Shack 3 Meter HF SWR/Pwr Meter - \$25

Radio Shack Model DX-394 Gen Cvg Comm Rcvr - SOLD

Radio Shack Optimus Stero Disco Mixer SSM-50 - \$25

Vintage HQ170A/S-200 rcvr; SX-43/R-42 rcvr - inquire

Some manuals included or on line.

Contact me by E mail, preferred, or (919) 872-6555, Thanks, Chuck

Three Uniden Scanners new or unused in their boxes

Posted October 31st, 2018 by: K4HF

Contact: k4hf@arrl.net

BC 370CRS scanner with atomic clock - \$30

BCD 996XT Trunk Tracker IV APCO P-25 - \$125.

BCT8 Trunk Tracer III, Pre prog. - \$50

Contact me by E Mail, preferred, or (919) 872-6555 Thanks, Chuck

RARS Classifieds continued

Clegg 99'er

Posted October 31st, 2018 by: N4TL

Contact: n4tl2@yahoo.com

Remember when 6 meters was open and we were all on AM? Here is a great radio for your collection. The Clegg 99'er was advertised in the November 1961 issue of 73 magazine for \$139.99. By August 1963 it was listed for \$159.95. For Sale, a working, in good condition, Clegg99er six meter AM transceiver. Included is an expensive crystal for 50.400. A microphone is included. The manual is on a DVD. Asking \$75. In the Raleigh NC area there is a net on Monday's at 7PM on AM 50.400 MHz Join in with this radio.

JAMECO ADJUSTABLE DUAL POWER SUPPLY KIT (JE215) \$25

Posted October 30th, 2018 by: N4KYW

Contact: howagood@yahoo.com

Brand new! Never built. Includes power transformer and line cord.

Adjustable positive/negative supplies: ± 5 to ± 15 VDC, 175mA to 750mA per supply. LED On indicator. 120VAC input. 48-piece kit. PC board construction. Size: 5.1

Posted October 30th, 2018 by: N4KYW

Contact: howagood@yahoo.com

VELLEMAN SYMMETRIC 1A POWER SUPPLY KIT (K8042) \$10

Posted October 30th, 2018 by: N4KYW

Contact: howagood@yahoo.com

Brand new; never built. Just add a suitable transformer and heat sink. Ideal for e.g. op-amp applications, amplifiers, etc. Trimmers can be replaced by potentiometers to allow continuous adjustment of output voltage. LED output indicators. Positive and negative output adjustable between 1.2 and 24VDC. Sells for \$12.00 plus shipping on Amazon. My price: \$10.00

Uniden BCT15X Mobile TrunkTracker III Scanner w/ GPS Enabled Scan

Posted October 17th, 2018 by: K4HF

Contact: k4hf@arrl.net

Complete, in box, as new with little to no use. 9000 Dynamic Channels. Pre programmed by State.

RARS Classifieds continued

CTCSS//DCS Decoding, band scope. Two units, \$95 each. contact me by e mail, preferred, or 919-872-6555. Thanks, Chuck

1953 Collins 75A3/32V3 matching AM station, Both for \$800.

Posted October 16th, 2018 by: N4TL

Contact: n4tl2@yahoo.com

Full working condition and clean used this summer 2018. This Collins equipment was donated to RARS by Dave Eckert, KB8V.

Both of these items were turned on and checked by N4TL. The Receiver was restored by W3HM during September 2003 at a cost of \$753. According to the documentation a product detector was added and the AVC modified. There is a six page booklet describing the restoration work and modifications. The receiver works well and receives AM, CW and SSB. It has both 3Khz and 800Hz Collins mechanical filters. As well as a crystal calibration oscillator. The transmitter was worked on by W3HM in August of 2010. I took it out of the case and looked inside. I noticed that one OB2 is not populated and is marked "Not used". Some screws are not populated and the holes for them are stripped. The transmitter works on CW and AM. PTT from the microphone works fine. The only trouble I had is my CW key connector did not make a good contact in the transmitter key socket. I thought something was wrong with CW but it was only the connector. I did not check audio quality.

Both for \$800.

Vintage Equipment for SALE

Posted October 11th, 2018 by: K4BYN

Contact: k4byn@att.net

I am checking out the following items and they will be for sale immediately upon request:
(3) Viking Adventurer transmitters, (1) National NC-98 receiver, (1) Heathkit HM-2102 SWR/Power meter, (1) Heathkit AT-1 transmitter, (1) Heathkit VF-1 VFO, (1) Heathkit HG108 VFO.

Available for inspection. Shipping and packaging will be extra unless local pickup. Some of these units have manuals. I am de-cluttering my shack. Send me an email and let's see if we can get together on a price. Thanks.

RARS Classifieds continued

Vintage DOC Amateur Radio Listings Books

Posted October 11th, 2018 by: K4BYN

Contact: k4byn@att.net

Serious collectors and historians - Department of Commerce published callbooks for all licensed amateur radio stations. I have the following years and will sell individually or as a group if interested. 1922, 1923, 1927, 1928, 1929, 1930, and 1931. Picture available upon request. Price \$ 130 per callbook. Will ship no additional charge or local pickup.

Public Service

The 2018 Ham Public Service season has ended.

Thank you to all the Hams that volunteered their time this year! 14 events were on the 2018 RARS/HPSNC calendars.

The season ended with the 2018 NCBC Fall Rally in Holly Springs on Sunday, Oct. 21st.

An average of 10 Hams supported each event, resulting in over 1100 person-hours of volunteer time, not including the preparation time provided by event coordinators and the cost of the equipment used. From the ARRL's perspective, that's over \$21.2K in contribution we've provided to these 14 events.

The 2019 Ham Public Service season starts with the Eastern Region Odyssey of the Mind Tournament on Saturday, March 2nd. Odyssey of the Mind will take place at NC Central University in Durham! Signup information for this, as well as other events will appear here starting in January.